

Amendments to the Claims

1. (currently amended) A network device, comprising:
a port to allow the device to communicate with a called endpoint;
a processor to:

send a call request message associated with a call to the called endpoint, the call request message including a delayed call establishment capability advertisement; and

indicate a desire to delay call establishment until a delay point is reached, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services.
2. (previously presented) The network device of claim 1, wherein the processor further to receive a notification that a delay point has been reached.
3. (previously presented) The network device of claim 1, wherein the processor further to determine if the call is to be established and, if the call is to be established, notify the called endpoint.
4. (previously presented) The network device of claim 1, wherein the network device comprising a calling endpoint.
5. (currently amended) A method of delaying call establishment, the method comprising:

transmitting a call request message associated with a call to a called endpoint identifying a delay point, the call request message including a delayed call establishment capability advertisement, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services.
6. (original) The method of claim 5, the method comprising receiving a notification from the called endpoint that the delay point has been reached.

7. (original) The method of claim 5, the method comprising determining if the call is to be established.
8. (original) The method of claim 5, the method comprising notifying the called endpoint if the call is to be established.
9. (previously presented) The method of claim 5, the method comprising performing maintenance testing without notifying the called endpoint to start alerting a called user, wherein maintenance comprises at least one of the group comprised of: quality of service (QoS) testing, service level verification, probing endpoints, querying for services supported by a device.
10. (previously presented) The method of claim 5, wherein transmitting a call request message comprising transmitting a session initiation protocol INVITE message.
11. (previously presented) The method of claim 5, wherein transmitting a call request message comprising transmitting an H.323 Setup message.
12. (canceled)
13. (previously presented) The method of claim 5, the method comprising receiving a notification from the called endpoint comprising a Delay Point Reached message.
14. (currently amended) The method of claim 5 8, ~~the method comprising wherein notifying~~ the called endpoint further comprising sending a Delayed Call Establishment Release message to notify the called endpoint to alert a called user, thereby establishing the call.
15. (currently amended) A method of delayed call establishment, the method comprising:
receiving a call request message associated with a call indicating a need for delayed call establishment and identifying a delay point, the call request message including a delayed call establishment capability advertisement, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services.

16. (original) The method of claim 15, the method comprising
transmitting a response indicating availability of delayed call establishment; and
progressing the call to the delay point.
17. (original) The method of claim 15, the method comprising notifying a calling endpoint
that that delay point has been reached.
18. (original) The method of claim 15, the method comprising processing the call as
indicated by the calling endpoint.
19. (previously presented) The method of claim 15, the method comprising processing the
call which comprises alerting a user, of a called endpoint, of the call.
20. (previously presented) The method of claim 15, processing the call comprising
performing maintenance or other tasks without alerting a user.
21. (currently amended) A network device, comprising:
a port to allow the device to communicate with a calling endpoint;
a processor to:
receive a call request message associated with a call from the calling endpoint, the call
request message including a delayed call establishment capability advertisement and a delay
point, the delay point indicating at least one of feature discovery of the called endpoint, and call
supplementary services;
respond with a notification of delayed call establishment availability; and
process the call to a delay point.
22. (previously presented) The network device of claim 21, wherein the processor further to
transmit a notification that a delay point has been reached

23. (previously presented) The network device of claim 21, wherein the processor further to determine if the call is to be established and, if the call is to be established, notify a user.

24. (previously presented) The network device of claim 21, wherein the network device comprising a called endpoint.

25. (previously presented) The network device of claim 21, wherein the calling endpoint comprising an intermediary.

26. (currently amended) An article of computer-readable media storing computer executable instructions that, when executed, cause the computer to:

transmit a call request message associated with a call to a called endpoint identifying a delay point, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services.

27. (previously presented) The article of claim 26, wherein the instructions further causing the computer to receive a notification from the called endpoint that the delay point has been reached.

28. (previously presented) The article of claim 26, wherein the instructions further causing the computer to determine if the call is to be established.

29. (previously presented) The article of claim 26, wherein the instructions further causing the computer to notify the called endpoint if the call is to be established.

30. (previously presented) The article of claim 26, wherein the instructions further causing the computer to perform maintenanc testing without notifying the called endpoint to start alerting a called user, wherein maintenance comprises at least one of the group comprised of: quality of service (QoS) testing, service level verification, probing endpoints, querying for services supported by a device.

31. (currently amended) An article of computer-readable media containing computer executable instructions that, when executed, cause the computer to:

receive a call request message associated with a call indicating a need for delayed call establishment and identifying a delay point, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services.

32. (previously presented) The article of claim 31, the instructions further causing the computer to

transmit a response indicating availability of delayed call establishment; and
progress the call to the delay point.

33. (previously presented) The article of claim 31, the instructions further causing the computer to notify a calling endpoint that that delay point has been reached.

34. (previously presented) The article of claim 31, the instructions further causing the computer to process the call as indicated by the calling endpoint.

35. (currently amended) A network device, comprising:

a means for allowing the device to communicate with a called endpoint;

a means for sending a call request message associated with a call to the called endpoint, the call request message including a delayed call establishment capability advertisement; and

a means for indicating a desire to delay call establishment until a delay point is reached, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services.

36. (currently amended) A network device, comprising:

a means for allowing the device to communicate with a calling endpoint;

a means for receiving a call request message associated with a call from the calling endpoint, the call request message including a delayed call establishment capability advertisement and a delay point, the delay point indicating at least one of feature discovery of the called endpoint, and call supplementary services;

a means for responding with a notification of delayed call establishment availability; and

a means for processing the call to a delay point.

37. (new) The network device of claim 1, wherein the call supplementary service includes call completion on busy and call completion on no answer.

38. (new) The network device of claim 1, wherein the delay point indicates diagnostic testing without alerting the called endpoint.

39. (new) The network device of claim 1, wherein the delay point indicates media ports properly opened prior to call completion.

40. (new) The network device of claim 21, wherein the delay point indicates diagnostic testing without alerting the called endpoint.

41. (new) The network device of claim 21, wherein the delay point indicates media ports properly opened prior to call completion.

42. (new) The network device of claim 21, wherein the call supplementary service includes call completion on busy and call completion on no answer.